

Appendix table 5-35.

Estimates of total academic employment, doctoral researchers and graduate research assistants, by Carnegie institution type: 1973–99

Year	Total employment		Researcher headcount		Research is primary		Graduate research assistant	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
All universities and colleges								
1973	118.0	100	82.3	100	27.8	100	35.9	100
1975	134.1	100	90.6	100	30.8	100	40.0	100
1977	145.4	100	85.0	100	37.0	100	43.7	100
1979	155.3	100	90.0	100	41.3	100	49.0	100
1981	167.1	100	100.7	100	46.5	100	52.7	100
1983	176.1	100	104.7	100	48.9	100	54.9	100
1985	190.2	100	115.2	100	55.9	100	61.0	100
1987	195.9	100	144.0	100	66.5	100	70.2	100
1989	206.6	100	151.6	100	72.2	100	79.1	100
1991	210.6	100	156.6	100	73.9	100	85.2	100
1993	213.8	100	150.1	100	80.2	100	90.2	100
1995	217.5	100	153.5	100	83.0	100	89.9	100
1997	232.5	100	164.7	100	88.6	100	88.0	100
1999	240.2	100	168.1	100	91.4	100	91.3	100
Research universities								
1973	65.2	57.9	52.5	65.5	22.9	84.9	32.3	89.9
1975	73.4	57.0	58.0	65.2	25.5	83.8	35.6	89.0
1977	78.2	56.8	55.9	67.6	29.5	81.6	38.8	89.0
1979	83.5	57.7	59.0	68.5	32.1	80.5	42.6	86.9
1981	91.0	57.0	66.6	67.4	37.5	81.9	45.2	85.8
1983	89.9	55.9	66.3	67.1	37.4	81.6	47.1	85.8
1985	102.8	56.5	75.1	66.3	45.4	82.2	52.2	85.6
1987	106.9	56.6	90.0	63.7	53.7	81.6	59.9	85.3
1989	112.5	56.4	94.7	63.5	58.1	81.2	66.5	84.1
1991	111.6	55.4	93.8	61.3	57.9	79.3	70.1	82.3
1993	112.9	55.5	91.1	62.4	60.6	77.0	73.9	81.9
1995	112.8	54.7	92.0	61.7	62.4	76.8	73.1	81.3
1997	113.6	54.5	92.3	60.8	60.6	75.4	70.6	80.2
1999	117.2	53.9	95.5	60.9	64.3	75.8	73.1	80.0
Doctorate-granting institutions								
1973	14.0	12.4	9.9	12.3	1.7	6.4	3.1	8.6
1975	15.9	12.3	10.6	11.9	1.8	5.8	3.7	9.3
1977	17.2	12.5	9.4	11.4	2.4	6.6	4.0	9.2
1979	17.2	11.9	9.2	10.6	2.6	6.4	4.4	9.1
1981	18.8	11.8	10.5	10.6	2.6	5.6	5.0	9.5
1983	19.5	12.2	10.7	10.8	2.8	6.0	5.3	9.6
1985	21.2	11.6	12.4	11.0	3.5	6.3	5.8	9.5
1987	22.2	11.8	16.2	11.5	4.4	6.7	6.7	9.6
1989	23.5	11.8	16.8	11.3	4.9	6.9	7.9	10.0
1991	24.9	12.3	18.4	12.1	5.9	8.0	9.2	10.8
1993	24.2	11.9	17.4	11.9	6.7	8.4	9.9	11.0
1995	25.0	12.1	17.7	11.9	7.2	8.8	9.9	11.0
1997	25.8	12.4	19.1	12.6	8.2	10.2	10.3	11.7
1999	26.3	12.1	19.3	12.3	8.2	9.7	10.7	11.7
Comprehensive institutions								
1973	20.8	18.5	10.7	13.4	0.6	2.2	0.1	0.3
1975	24.3	18.8	12.1	13.7	0.7	2.4	0.3	0.6
1977	25.9	18.8	10.0	12.1	1.2	3.3	0.3	0.7
1979	26.2	18.1	10.0	11.6	1.5	3.8	1.3	2.6
1981	29.9	18.8	11.7	11.9	1.2	2.6	1.6	3.0
1983	30.9	19.3	12.5	12.7	1.3	2.9	1.8	3.3
1985	34.9	19.2	14.1	12.5	1.5	2.7	1.1	1.8
1987	35.3	18.7	19.7	14.0	1.8	2.7	1.3	1.9
1989	37.4	18.8	21.1	14.1	2.4	3.3	2.7	3.4
1991	38.7	19.2	23.7	15.5	2.8	3.8	3.5	4.1
1993	38.4	18.9	20.9	14.3	3.9	5.0	3.7	4.1
1995	40.5	19.7	22.5	15.1	4.1	5.1	4.2	4.7
1997	41.2	19.8	23.2	15.3	4.5	5.5	4.2	4.8
1999	42.6	19.6	22.9	14.6	3.7	4.3	4.6	5.0

See explanatory notes, if any, and SOURCE at end of table

Appendix table 5-35.

Estimates of total academic employment, doctoral researchers and graduate research assistants, by Carnegie institution type: 1973–99

Year	Total employment		Researcher headcount		Research is primary		Graduate research assistant	
	Number	Percent	Number	Percent	Number	Percent	Number	Percent
Free-standing medical institutions								
1973	3.3	2.9	2.6	3.2	1.5	5.5	0.3	0.7
1975	4.3	3.4	3.2	3.6	2.1	6.9	0.3	0.6
1977	4.9	3.6	3.5	4.2	2.5	6.9	0.3	0.7
1979	5.9	4.1	4.2	4.8	3.1	7.7	0.4	0.9
1981	7.2	4.5	5.3	5.3	4.1	9.0	0.5	0.9
1983	7.0	4.4	5.1	5.1	3.9	8.6	0.5	0.9
1985	8.3	4.6	5.9	5.2	4.5	8.1	0.7	1.2
1987	9.0	4.8	7.2	5.1	5.3	8.0	1.1	1.6
1989	9.7	4.9	7.6	5.1	5.6	7.9	1.6	2.0
1991	9.6	4.8	7.8	5.1	6.0	8.3	1.9	2.2
1993	10.8	5.3	8.2	5.6	6.4	8.2	2.2	2.4
1995	11.2	5.4	8.4	5.6	6.7	8.2	2.4	2.6
1997	9.8	4.7	7.4	4.8	5.9	7.3	2.5	2.8
1999	11.9	5.5	9.2	5.9	7.5	8.9	2.6	2.8
All others								
1973	9.3	8.2	4.5	5.6	0.3	1.0	0.2	0.5
1975	10.9	8.5	5.0	5.6	0.3	1.1	0.2	0.4
1977	11.4	8.3	3.9	4.7	0.6	1.6	0.2	0.5
1979	12.0	8.3	3.9	4.5	0.6	1.5	0.2	0.5
1981	12.6	7.9	4.7	4.8	0.4	1.0	0.4	0.8
1983	13.3	8.3	4.3	4.4	0.4	0.9	0.3	0.6
1985	14.7	8.1	5.7	5.0	0.4	0.7	1.1	1.9
1987	15.4	8.1	8.1	5.7	0.6	1.0	1.2	1.7
1989	16.2	8.1	9.0	6.1	0.6	0.8	0.3	0.4
1991	16.6	8.2	9.3	6.1	0.4	0.6	0.5	0.6
1993	17.1	8.4	8.6	5.9	1.2	1.5	0.6	0.6
1995	16.7	8.1	8.5	5.7	0.9	1.1	0.4	0.5
1997	18.0	8.7	9.7	6.4	1.3	1.6	0.4	0.4
1999	19.6	9.0	9.8	6.2	1.1	1.3	0.4	0.5

NOTES: Numbers are in thousands. Headcounts are the sum of respondents for whom research is either the primary or secondary work activity. Foreign-earned doctorates are excluded. Graduate research assistants are full-time graduate students with primary research assistantship support. Carnegie type is based on 1994 typology. Details do not add to totals because of omission of those with unknown Carnegie type.

SOURCES: National Science Foundation, Division of Science Resources Statistics (NSF/SRS), Survey of Doctorate Recipients and Survey of Graduate Students and Postdoctorates in Science and Engineering.

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